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<b>(51) International Patent Classification <sup>5</sup> :</b>  <b>A61K 37/02</b>	<b>A1</b>	<b>(11) International Publication Number:</b> <b>WO 92/09300</b>  <b>(43) International Publication Date:</b> 11 June 1992 (11.06.92)
<b>(21) International Application Number:</b> PCT/US91/08694 <b>(22) International Filing Date:</b> 20 November 1991 (20.11.91)  <b>(30) Priority data:</b> 617,023                      21 November 1990 (21.11.90)    US 701,658                      16 May 1991 (16.05.91)            US Not furnished                19 November 1991 (19.11.91)    US  <b>(71) Applicant:</b> ITEREX PHARMACEUTICALS LTD. PART- NERSHIP [US/US]; 3550 General Atomics Court, San Diego, CA 92121 (US).  <b>(72) Inventors:</b> HOUGHTEN, Richard, A. ; 558 Ford Avenue, Solana Beach, CA 92075 (US). CUERVO, Julio, Hernan ; 2744 Inverness Ct., La Jolla, CA 92037 (US). PINIL- LA, Clemencia ; APPEL, Jon, R., Jr. ; 1656 Freda Lane, Cardiff, CA 92007 (US). BLONDELLE, Silvie ; 8529-D Villa La Jolla Drive, La Jolla, CA 92037 (US).		<b>(74) Agents:</b> GAMSON, Edward, P.; Dressler, Goldsmith, Shore, Sutker & Milnamow, Ltd., 4700 Two Prudential Plaza, 180 North Stetson Avenue, Chicago, IL 60601 (US) et al.  <b>(81) Designated States:</b> AT (European patent), AU, BE (Euro- pean patent), CA, CH (European patent), DE (Euro- pean patent), DK (European patent), ES (European pa- tent), FR (European patent), GB (European patent), GR (European patent), IT (European patent), JP, LU (Euro- pean patent), NL (European patent), SE (European pa- tent).  <b>Published</b> <i>With international search report.</i>
<b>(54) Title:</b> SYNTHESIS OF EQUIMOLAR MULTIPLE OLIGOMER MIXTURES, ESPECIALLY OF OLIGOPEPTIDE MIXTURES  <b>(57) Abstract</b>  <p>A process for the synthesis of a complex mixture pool of solid support-coupled monomeric repeating unit compounds such as amino acid derivatives is disclosed in which the mixture pool contains an equimolar representation of reacted monomeric repeating unit compounds coupled. Also disclosed is a process for the stepwise synthesis of a complex mixture of coupled or free, unsupported oligomers such as oligopeptides. A set of self-solubilizing, unsupported mixed oligopeptides having one or more predetermined amino acid residues at one or more of the same, predetermined positions in the oligopeptide chain in which the set contains equimolar amounts of a plurality of different amino acid residues, preferably at least six different residues, at one or more of the same predetermined positions of the oligopeptide chain is also disclosed, as are methods of making and using the same.</p>		